

This Listing Statement is compiled by the Exchange from documents filed by the Company in making application for listing. It is issued for the information of members, member firms and member corporations of the Exchange. It is not and is not to be construed as a prospectus. The Exchange has received no consideration in connection with the issue of this Listing Statement other than the customary listing fee. The documents referred to above are open for inspection at the general office of the Exchange.

LISTING STATEMENT No. 2088

LISTED JANUARY 4, 1962  
5,000,000 shares \$1 par value  
Ticker abbreviation MO  
Post section 11

FEB 16 1962

## TORONTO STOCK EXCHANGE

### LISTING STATEMENT

## MURPHY OIL COMPANY LTD.

Incorporated under the Companies Act, 1934,  
by Letters Patent dated December 19, 1960

1. Address of the Company's Head Office and of any other offices:

703 Fifth Street West, Calgary, Alberta

2. Officers of the Company:

OFFICE HELD	NAME	ADDRESS	OCCUPATION
President	Frank M. Jacobson	507 Renfrew House—Rideau Towers, Calgary, Alberta	Oil and Gas Executive
Vice-President	F. Gordon Kirby	2714-8th Street West, Calgary, Alberta	Oil and Gas Executive
Vice-President	William R. Seuren	18 Pheasant Lane, Toronto, Ontario	Oil and Gas Executive
Secretary	Francis R. Matthews	4612 Fifth Street, S.W., Calgary, Alberta	Barrister
Treasurer	Robert E. Fonville	1927 Glenwood Drive, Calgary, Alberta	Oil and Gas Executive

3. Directors of the Company:

NAME	ADDRESS	OCCUPATION
Myron R. Holmgren	1178 Cherry Street, Winnetka, Illinois	Oil and Gas Executive
Frank M. Jacobson	507 Renfrew House—Rideau Towers, Calgary, Alberta	Oil and Gas Executive
Joseph J. Levin	1350 North Lake Shore Drive, Chicago, Illinois	Investment Banker
Francis R. Matthews	4612 Fifth Street, S.W., Calgary, Alberta	Barrister
Paul C. McDonald	120 Stroud, El Dorado, Arkansas	Oil and Gas Executive
C. H. Murphy, Jr.	Calion Highway, El Dorado, Arkansas	Oil and Gas Executive
J. G. K. Strathy	162 Crescent, Toronto, Ontario	Investment Banker

4. Names and addresses of all transfer agents:

National Trust Company, Limited, 20 King Street East, Toronto, Ontario and 605 Eighth Avenue West, Calgary, Alberta.

5. Particulars of any fee charged upon transfer other than customary government taxes: None.

6. Names and addresses of all registrars:

National Trust Company, Limited, 20 King Street East, Toronto, Ontario and 605 Eighth Avenue West, Calgary, Alberta.



7. Amount of authorized capital: \$5,000,000
8. Number of shares and par value: 5,000,000 shares, par value \$1
9. Full details of all shares to be issued in payment for properties or for any other assets other than cash:

Date	Number of Shares	Brief description of the properties or other assets and the aggregate consideration therefor, expressed in cash, shares, etc.
As of January 4, 1962.....	2,715,600	The Company has entered into a contract with Amurex Oil Company and Murphy-Canada Oil Company which provides for those two companies to transfer all of their assets and properties to the Company for 2,715,600 shares of Common Stock of the Company. 1,425,000 of these shares will be issued to Amurex Oil Company as consideration for its properties, consisting of oil and gas properties located in Alberta, Manitoba and Saskatchewan. The remaining 1,290,600 shares will be issued to Murphy-Canada Oil Company as consideration for all of its assets and properties consisting of oil and gas properties in Alberta and Saskatchewan and the Northwest Territories and retail gasoline stations and products terminal and related personal property located in Ontario.
Total.....	2,715,600	

10. Full details of all shares sold for cash.	Date	Number of Shares	Price per Share	Amount realized by Company
	January 10, 1961.....	7	\$1.00	\$7.00
	Total.....	7		\$7.00
11. Total number of shares issued.	Seven			
12. Number of shares now in treasury or otherwise unissued.	4,999,993, of which 2,715,600 are required to be issued as set out in 9 above.			
13. Particulars of any issued shares held in trust for the Company or donated for treasury purposes.	None			
14. Date of last annual meeting.	None			
15. Date of last report to shareholders.	None			
16. Details of any treasury shares (or shares issued subject to payment or shares held for the benefit of the treasury) now under option or the subject of any underwriting or sales agreement. If none, this is to be stated.	Messrs. Frank M. Jacobson and F. Gordon Kirby, President and Vice-President of the Company will hold options to purchase 17,000 and 6,800 shares, respectively, of Common Stock of the Company. The option price of the shares in each instance is \$2.02 per share and the options are exercisable in increments beginning January 10, 1962, and will expire on January 10, 1966.			



17. Names and addresses of persons having any interest, direct or indirect, in underwritten or optioned shares or other securities or assignments, present or proposed.	See 16
18. Details of any payments in cash or securities of the Company made or to be made to a promoter or finder in connection with a proposed underwriting or property acquisition.	None
19. Details of any shares pooled, deposited in escrow, non-transferable or held under any voting trust agreement, syndicate agreement or control.	None
20. Names and addresses of owners of more than a 5% interest in pooled or escrowed shares and their shareholdings. (If shares are registered in the names of nominees or in street names, give names of beneficial owners, if possible.)	None
21. Names, addresses and shareholdings of five largest registered shareholders and if shareholdings are pooled or escrowed, so stating. If shares are registered in names of nominees or in street names, give names of beneficial owners, if possible, and if names are not those of beneficial owners, so state.	Upon acquisition of the assets of Amurex Oil Company and Murphy-Canada Oil Company by the Company as described in paragraph 9 above, those two companies will be wound up and the remaining assets (which will be shares of Common Stock of the Company) will be distributed to their stockholders. Both of these companies are subsidiaries of Murphy Corporation, 200 Jefferson Avenue, El Dorado, Arkansas, U.S.A., and as a result of these transactions Murphy Corporation will own 2,413,961 of the 2,715,607 shares of outstanding Common Stock of the Company. The remaining 301,646 shares of Common Stock of the Company will be owned by approximately 1,100 persons.
22. Names and addresses of persons whose shareholdings are large enough to materially affect control of the Company.	See 21
23. Details of any registration with or approval or authority for sale granted by or any filing with a Securities Commission or corresponding Government body.	None
24. Has any application for registration with or approval or authority for sale by or any filing with a Securities Commission or corresponding Government body ever been refused, cancelled, suspended or revoked? If so, give particulars.	No
25. Particulars of any bonds, debentures, notes, mortgages, charges, liens or hypothecations outstanding.	None
26. If assets include investments in the shares or other securities of other companies, give an itemized statement thereof showing cost or book value and present market value.	None



27. Enumerate fully each of the following property classifications, giving claim or property numbers, approximate acreage, townships and mining camp or oil field:

(a) Properties owned where titles vested in Company.

(b) Properties leased.

(c) Properties otherwise held.

(a) Twenty-four retail gasoline stations located in the Province of Ontario in an area extending approximately 100 miles East of Toronto. One storage terminal at Oshawa, Ontario, with storage capacity of 205,000 barrels of petroleum products. Twenty acres of real estate at Fort William, Ontario, held for possible use as a terminal site.

(b) Various interests in oil and gas leases as shown in the following table.

	FREEHOLD LEASES		CROWN GRANTED		TOTAL
	PRODUCING	NON-PRODUCING	PRODUCING	NON-PRODUCING	NET ACRES
ALBERTA:					
Helmsdale T24-25, R6-9, W4.....				12,960	12,960
Denhart T19 & 21, R10-11, W4.....			749	6,189	6,938
Sunnynook T26, R11-13, W4.....			2,742	3,445	6,187
Brazeau Nordess T47 & 49, R16-18, W5.....				5,333	5,333
Ghost River T27, R7-8, W5.....				4,216	4,216
Athabaska Oil Sands T92 & 98, R9-11, W4...				3,498	3,498
Three Hills Creek T34 & 36, R25-26, W4.....	80		4,243	6,120	10,443
Torrens River T60-62, R11-14, W6.....				3,137	3,137
Morrin T30-31, R21, W4.....		160		6,240	6,400
Rainbow Lake T107-108, R5-6, W6.....				2,880	2,880
Carstairs T29-30, R1-3, W5.....			543	2,026	2,569
Cessford T23-26, R11-13, W4.....			1,964		1,964
Dowling T31-32, R14, W4.....				1,360	1,360
Brazeau Nordess T41 & 45, R11-14, W5.....				1,426	1,426
Pembina T47-49, R6-10, W5.....			1,631	1,120	2,751
Swan Hills T65-67, R10-11, W5.....			640	256	896
Leduc T50-51, R26-27, W4.....	174				174
Erskine T38, R20, W4.....	260		11		271
Red Deer T37-38, R27, W4.....		132			132
Other.....			470	1,934	2,404
Total Alberta.....	514	292	12,993	62,140	75,939
SASKATCHEWAN:					
Midale T5-6, R10-12, W2.....	266	243	962		1,471
Weyburn T6, R12-14, W2.....	68	254	910	132	1,364
Antler T6, R30, W1.....		136			136
Other.....		24	16	160	200
Total Saskatchewan.....	334	657	1,888	292	3,171
MANITOBA:					
Viriden T10-11, R26, W1.....	273	800		158	1,231
Grand Total.....	1,121	1,749	14,881	62,590	80,341

(c) The Company will own exploratory permits from the Crown covering approximately 438,000 net acres in the Northwest Territories.

28. Full particulars of any royalties or other charges payable upon production from each individual property.

The Company will own leases from individual land or mineral owners covering approximately 2,870 net acres. The royalty payable on production from these leases ranges from 5% to 16 $\frac{2}{3}$ %. All other leases will be Crown leases which will cover approximately 77,471 net acres. Of these, 76,522 net acres will be covered by leases which provide for royalty ranging from 5% to 16 $\frac{2}{3}$ %. The remaining 949 net acres will be covered by royalty bid leases which provide for a royalty to the Crown of 5% to 16 $\frac{2}{3}$ % until the Company has recovered its development costs, following which the Crown's royalty will be 50% to 82%. At this time the only royalty bid leases which are productive of oil or gas are as follows:

Midale.....	544 acres
Weyburn.....	325 acres
	<hr/> 869 acres

29. Names and addresses of vendors of any property or other assets intended to be purchased by the Company showing the consideration to be paid.

The Company proposes to acquire all of the assets and properties of Amurex Oil Company, 703 Fifth Street West, Calgary, Alberta and of Murphy-Canada Oil Company, 703 Fifth Street West, Calgary, Alberta as mentioned in paragraph 9.

30. Names and addresses of persons who have received or will receive a greater than 5% interest in the shares or other consideration to be received by the vendor. If the vendor is a limited company, the names and addresses of persons having a greater than 5% interest in the vendor company.

See 21



31. Are any lawsuits pending or in process against the Company or any of its properties, or are there any other circumstances which might affect the Company's position or title adversely? If so explain fully.	No																																																																																																																																																																																																																																																																																	
32. Describe plant and equipment on property or properties.	The Company will own interests in various items of equipment installed on its productive oil and gas leases. The Company will also own the buildings which house its retail gasoline stations and the related equipment used in the operation of such stations, including 20 tank trucks.																																																																																																																																																																																																																																																																																	
33. Describe all development accomplished and planned.	The Company expects to participate in the drilling of some 21 wells in search of oil and gas during the year 1962. The net interest of the Company will amount to 15.96 wells. The Company also expects to carry on a program for the construction of a number of retail gasoline stations in or near Montreal, Quebec. Eight of these stations are expected to be completed during 1962.																																																																																																																																																																																																																																																																																	
34. Date and author of mining or petroleum engineer's or geologist's report filed with this application and available for inspection on request.	DeGolyer and MacNaughton report of September 15, 1961.																																																																																																																																																																																																																																																																																	
35. Full particulars of production to date.	<table><tr><th></th><th>1956</th><th colspan="4">YEAR ENDED AUGUST 31</th><th>ELEVEN MONTHS ENDED JULY 31 1961</th></tr><tr><th></th><th>1957</th><th>1958</th><th>1959</th><th>1960</th><th></th><th></th></tr><tr><td colspan="7">Crude Oil and Natural Gas Liquids—Barrels</td></tr><tr><td colspan="7">CANADIAN:</td></tr><tr><td>Cessford.....</td><td>97</td><td>62</td><td>50</td><td>46</td><td>82</td><td>99</td></tr><tr><td>Pembina.....</td><td>1</td><td>111</td><td>482</td><td>526</td><td>447</td><td>447</td></tr><tr><td>Weyburn.....</td><td>—</td><td>—</td><td>171</td><td>91</td><td>173</td><td>76</td></tr><tr><td>Ponder Model (Leduc).....</td><td>172</td><td>145</td><td>86</td><td>67</td><td>54</td><td>89</td></tr><tr><td>Midale.....</td><td>3</td><td>302</td><td>412</td><td>317</td><td>337</td><td>415</td></tr><tr><td>Ponder Virden.....</td><td>224</td><td>202</td><td>131</td><td>96</td><td>80</td><td>70</td></tr><tr><td>Other.....</td><td>136</td><td>172</td><td>176</td><td>182</td><td>205</td><td>376</td></tr><tr><td>Total Canadian.....</td><td>633</td><td>994</td><td>1,508</td><td>1,325</td><td>1,378</td><td>1,572</td></tr><tr><td colspan="7">UNITED STATES:</td></tr><tr><td>Classen No. 1.....</td><td>23</td><td>24</td><td>16</td><td>17</td><td>12</td><td>—</td></tr><tr><td>A. D. Brown.....</td><td>19</td><td>35</td><td>39</td><td>46</td><td>36</td><td>—</td></tr><tr><td>L. M. Brown.....</td><td>47</td><td>28</td><td>20</td><td>20</td><td>13</td><td>—</td></tr><tr><td>Bodine No. 1 and No. 2.....</td><td>30</td><td>43</td><td>32</td><td>42</td><td>23</td><td>—</td></tr><tr><td>Ponder Pattie &amp; Stewart State.....</td><td>113</td><td>62</td><td>39</td><td>17</td><td>18</td><td>—</td></tr><tr><td>Other.....</td><td>23</td><td>33</td><td>35</td><td>9</td><td>11</td><td>—</td></tr><tr><td>Total United States.....</td><td>255</td><td>225</td><td>181</td><td>151</td><td>113</td><td>—</td></tr><tr><td>Total Crude Oil and Natural Gas Liquids.....</td><td>888</td><td>1,219</td><td>1,689</td><td>1,476</td><td>1,491</td><td>1,572</td></tr><tr><td colspan="7">Natural Gas—MCF</td></tr><tr><td colspan="7">CANADIAN:</td></tr><tr><td>Bergman.....</td><td>—</td><td>—</td><td>89</td><td>94</td><td>144</td><td>53</td></tr><tr><td>Hatton Unit.....</td><td>—</td><td>—</td><td>—</td><td>782</td><td>860</td><td>—</td></tr><tr><td>Denhart.....</td><td>—</td><td>—</td><td>—</td><td>—</td><td>254</td><td>482</td></tr><tr><td>Carstairs.....</td><td>—</td><td>—</td><td>—</td><td>—</td><td>16</td><td>629</td></tr><tr><td>Cessford.....</td><td>—</td><td>—</td><td>—</td><td>—</td><td>142</td><td>274</td></tr><tr><td>Sunnynook.....</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>435</td></tr><tr><td>Three Hills Creek.....</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>462</td></tr><tr><td>Other.....</td><td>—</td><td>—</td><td>—</td><td>249</td><td>367</td><td>520</td></tr><tr><td>Total Canadian.....</td><td>—</td><td>—</td><td>89</td><td>1,125</td><td>1,783</td><td>2,855</td></tr><tr><td colspan="7">UNITED STATES:</td></tr><tr><td>Heyne Obenhaus.....</td><td>324</td><td>366</td><td>372</td><td>201</td><td>89</td><td>—</td></tr><tr><td>Elliott Boettcher.....</td><td>300</td><td>306</td><td>251</td><td>228</td><td>150</td><td>—</td></tr><tr><td>Pryor Wilson.....</td><td>—</td><td>181</td><td>221</td><td>233</td><td>225</td><td>—</td></tr><tr><td>Other.....</td><td>—</td><td>—</td><td>—</td><td>18</td><td>32</td><td>—</td></tr><tr><td>Total United States.....</td><td>624</td><td>853</td><td>844</td><td>680</td><td>496</td><td>—</td></tr><tr><td>Total Natural Gas—MCF.....</td><td>624</td><td>853</td><td>933</td><td>1,805</td><td>2,279</td><td>2,855</td></tr></table>		1956	YEAR ENDED AUGUST 31				ELEVEN MONTHS ENDED JULY 31 1961		1957	1958	1959	1960			Crude Oil and Natural Gas Liquids—Barrels							CANADIAN:							Cessford.....	97	62	50	46	82	99	Pembina.....	1	111	482	526	447	447	Weyburn.....	—	—	171	91	173	76	Ponder Model (Leduc).....	172	145	86	67	54	89	Midale.....	3	302	412	317	337	415	Ponder Virden.....	224	202	131	96	80	70	Other.....	136	172	176	182	205	376	Total Canadian.....	633	994	1,508	1,325	1,378	1,572	UNITED STATES:							Classen No. 1.....	23	24	16	17	12	—	A. D. Brown.....	19	35	39	46	36	—	L. M. Brown.....	47	28	20	20	13	—	Bodine No. 1 and No. 2.....	30	43	32	42	23	—	Ponder Pattie & Stewart State.....	113	62	39	17	18	—	Other.....	23	33	35	9	11	—	Total United States.....	255	225	181	151	113	—	Total Crude Oil and Natural Gas Liquids.....	888	1,219	1,689	1,476	1,491	1,572	Natural Gas—MCF							CANADIAN:							Bergman.....	—	—	89	94	144	53	Hatton Unit.....	—	—	—	782	860	—	Denhart.....	—	—	—	—	254	482	Carstairs.....	—	—	—	—	16	629	Cessford.....	—	—	—	—	142	274	Sunnynook.....	—	—	—	—	—	435	Three Hills Creek.....	—	—	—	—	—	462	Other.....	—	—	—	249	367	520	Total Canadian.....	—	—	89	1,125	1,783	2,855	UNITED STATES:							Heyne Obenhaus.....	324	366	372	201	89	—	Elliott Boettcher.....	300	306	251	228	150	—	Pryor Wilson.....	—	181	221	233	225	—	Other.....	—	—	—	18	32	—	Total United States.....	624	853	844	680	496	—	Total Natural Gas—MCF.....	624	853	933	1,805	2,279	2,855
	1956	YEAR ENDED AUGUST 31				ELEVEN MONTHS ENDED JULY 31 1961																																																																																																																																																																																																																																																																												
	1957	1958	1959	1960																																																																																																																																																																																																																																																																														
Crude Oil and Natural Gas Liquids—Barrels																																																																																																																																																																																																																																																																																		
CANADIAN:																																																																																																																																																																																																																																																																																		
Cessford.....	97	62	50	46	82	99																																																																																																																																																																																																																																																																												
Pembina.....	1	111	482	526	447	447																																																																																																																																																																																																																																																																												
Weyburn.....	—	—	171	91	173	76																																																																																																																																																																																																																																																																												
Ponder Model (Leduc).....	172	145	86	67	54	89																																																																																																																																																																																																																																																																												
Midale.....	3	302	412	317	337	415																																																																																																																																																																																																																																																																												
Ponder Virden.....	224	202	131	96	80	70																																																																																																																																																																																																																																																																												
Other.....	136	172	176	182	205	376																																																																																																																																																																																																																																																																												
Total Canadian.....	633	994	1,508	1,325	1,378	1,572																																																																																																																																																																																																																																																																												
UNITED STATES:																																																																																																																																																																																																																																																																																		
Classen No. 1.....	23	24	16	17	12	—																																																																																																																																																																																																																																																																												
A. D. Brown.....	19	35	39	46	36	—																																																																																																																																																																																																																																																																												
L. M. Brown.....	47	28	20	20	13	—																																																																																																																																																																																																																																																																												
Bodine No. 1 and No. 2.....	30	43	32	42	23	—																																																																																																																																																																																																																																																																												
Ponder Pattie & Stewart State.....	113	62	39	17	18	—																																																																																																																																																																																																																																																																												
Other.....	23	33	35	9	11	—																																																																																																																																																																																																																																																																												
Total United States.....	255	225	181	151	113	—																																																																																																																																																																																																																																																																												
Total Crude Oil and Natural Gas Liquids.....	888	1,219	1,689	1,476	1,491	1,572																																																																																																																																																																																																																																																																												
Natural Gas—MCF																																																																																																																																																																																																																																																																																		
CANADIAN:																																																																																																																																																																																																																																																																																		
Bergman.....	—	—	89	94	144	53																																																																																																																																																																																																																																																																												
Hatton Unit.....	—	—	—	782	860	—																																																																																																																																																																																																																																																																												
Denhart.....	—	—	—	—	254	482																																																																																																																																																																																																																																																																												
Carstairs.....	—	—	—	—	16	629																																																																																																																																																																																																																																																																												
Cessford.....	—	—	—	—	142	274																																																																																																																																																																																																																																																																												
Sunnynook.....	—	—	—	—	—	435																																																																																																																																																																																																																																																																												
Three Hills Creek.....	—	—	—	—	—	462																																																																																																																																																																																																																																																																												
Other.....	—	—	—	249	367	520																																																																																																																																																																																																																																																																												
Total Canadian.....	—	—	89	1,125	1,783	2,855																																																																																																																																																																																																																																																																												
UNITED STATES:																																																																																																																																																																																																																																																																																		
Heyne Obenhaus.....	324	366	372	201	89	—																																																																																																																																																																																																																																																																												
Elliott Boettcher.....	300	306	251	228	150	—																																																																																																																																																																																																																																																																												
Pryor Wilson.....	—	181	221	233	225	—																																																																																																																																																																																																																																																																												
Other.....	—	—	—	18	32	—																																																																																																																																																																																																																																																																												
Total United States.....	624	853	844	680	496	—																																																																																																																																																																																																																																																																												
Total Natural Gas—MCF.....	624	853	933	1,805	2,279	2,855																																																																																																																																																																																																																																																																												
36. Have any dividends been paid? If so, give date, per share rate, and amount paid in dollars on each distribution.	No																																																																																																																																																																																																																																																																																	
37. Name and address of the solicitor or attorney whose certificate that the applicant is a valid and subsisting company and that the shares which have been allotted and issued were legally created and are fully paid and non-assessable has been filed with the Exchange.	John J. Connolly, Q.C.  Clark, Macdonald, Connolly, Affleck, Brocklesby, Gorman & McLaughlin  Ottawa Electric Building 56 Sparks Street Ottawa 4, Ontario, Canada																																																																																																																																																																																																																																																																																	



38. (a) Have any shares of the Company ever been listed on any other stock exchange? If so, give particulars.	No
(b) Is any application for listing the shares of the Company on any other stock exchange now pending or contemplated? If so, give particulars.	No
(c) Has any application for listing of any shares of the Company ever been refused or deferred by any stock exchange? If so, give particulars.	No
39. Particulars of the principal business in which each officer and director has been engaged during the past five years, giving the length of time, position held and name of employing company or firm.	<p>Myron R. Holmgren, a director, is a petroleum products marketing executive and has been employed in that capacity as Vice President of Murphy Corporation since 1957. For more than a year prior to that time he served in a similar capacity as President of River States Oil Company.</p> <p>Frank M. Jacobson, President and a director of the Company, is an oil and gas executive and has served in that capacity as President of Amurex Oil Company since 1958. For more than two years prior to that time he was President of Lucerne Corporation.</p> <p>Joseph J. Levin, a director of the Company, is an investment banker and has been employed as such by A. G. Becker &amp; Co. Incorporated for more than five years. He is presently chairman of the executive committee of that company.</p> <p>Francis R. Matthews, Secretary and a director of the Company, is a barrister and has been a member of the firm of Allen, MacKimmie, Matthews, Wood, Phillips &amp; Smith for more than five years.</p> <p>Paul C. McDonald, a director of the Company, is an oil and gas executive and has been Vice President of Murphy Corporation for more than five years.</p> <p>C. H. Murphy, Jr., a director of the Company, is an oil and gas executive and has been President of Murphy Corporation for more than five years.</p> <p>J. G. K. Strathy, a director of the Company, is an investment banker and has been employed as Vice President of Dominion Securities Corporation, Limited for more than five years.</p> <p>F. Gordon Kirby, Vice President of the Company, is an oil and gas executive and has been employed as Vice President of Amurex Oil Company since 1958. For more than two years prior to that time he was employed as a division manager by Murphy Corporation.</p> <p>Robert E. Fonville, Treasurer of the Company, is an oil and gas executive and has been employed as Secretary-Treasurer of Amurex Oil Company since 1958. For more than two years prior to that time he was employed as an administrative assistant by Murphy Corporation.</p>
40. The dates of and parties to and the general nature of every material contract entered into by the Company which is still in effect and is not disclosed in the foregoing.  Except for management contracts, do not include particulars of any contract entered into in the ordinary course of business carried on or intended to be carried on by the Company.	None
41. Any other material facts not disclosed in the foregoing.	None

Dated at Calgary, Alberta the 5th day of December, 1961.



MURPHY OIL COMPANY LTD.

"F. M. JACOBSON", President

"F. R. MATTHEWS", Secretary

# PRO-FORMA STATEMENT SHOWING NUMBER OF SHAREHOLDERS AS OF JANUARY 4, 1962

after giving effect to shares issued for purchase of assets of Amurex Oil Company and Murphy-Canada Oil Company and after distribution of said shares by Amurex and Murphy-Canada to their shareholders.

Number	Shares
743 Holders of 1—100 shares.....	38,371
310 " " 101—1000 " .....	109,516
20 " " 1001—2000 " .....	32,945
8 " " 2001—3000 " .....	20,850
6 " " 3001—4000 " .....	22,065
1 " " 4001—5000 " .....	4,500
10 " " 5001—up " .....	2,487,360
1,098 Stockholders	Total Shares.....2,715,607

The above statement showing number of shareholders was completed by National Trust Company, Limited, on information supplied including a certified list of Amurex Oil Company Class "A" Common shareholders by The First National Bank of Chicago.

NATIONAL TRUST COMPANY, LIMITED

Per "M. RUSKIN", Trust Officer.

SUPPLEMENTARY INFORMATION: The Exchange has been informed by Murphy Oil Company Limited that the contract described in Item 9, above, was duly consummated in accordance with the terms on January 4, 1962.



# FINANCIAL STATEMENTS

## PRO-FORMA BALANCE SHEET

### MURPHY OIL COMPANY LTD.

ASSETS	JULY 31, 1961			MURPHY OIL COMPANY LTD.
	AMUREX OIL COMPANY	MURPHY- CANADA OIL COMPANY	ADJUST- MENTS	
Current assets.....	\$ 990,190	1,299,059	101,575 (1) 350,000 (2)	2,740,824
Noncurrent receivable—affiliate.....	—	101,575	(101,575)(1)	—
Property, plant and equipment—net.....	6,960,827	6,344,368	35,962 (2)	13,341,157
Deferred charges and other assets.....	64,522	120,616		185,138
	<u>\$8,015,539</u>	<u>7,865,618</u>		<u>16,267,119</u>

## LIABILITIES

Current liabilities.....	\$ 225,519	438,351		663,870
Advances from parent company—noncurrent.....	—	3,960,160	(3,960,160)(2)	—
Capital stock and surplus:				
Capital stock:				
Amurex:				
Class A, common.....	7,000,000	—	(7,000,000)(3)	—
Class B, common.....	125,000	—	(125,000)(3)	—
Murphy-Canada:				
Common stock.....	—	500,000	(500,000)(3)	—
Murphy Oil Company Ltd.:				
Common stock, par value \$1 a share. Authorized 5,000,000 shares; issued and outstanding 2,715,600 shares.....	—	—	2,715,600 (3) 4,346,122 (2) 11,269,936 (3) 12,887,649 (3)	2,715,600
Capital surplus.....	4,408,648	2,515,166		12,887,649
Earned surplus (deficit) .....	(3,743,628)	451,941	3,291,687 (3)	—
Total capital stock and surplus.....	<u>7,790,020</u>	<u>3,467,107</u>		<u>15,603,249</u>
	<u>\$8,015,539</u>	<u>7,865,618</u>		<u>16,267,119</u>

NOTES: (1) To record the collection of noncurrent receivable from affiliate.

(2) To record the contribution of (i) the advances of \$3,960,160 as of July 31, 1961 and (ii) property and cash in the amount of \$385,962 subsequent to July 31, 1961, from parent company to Murphy-Canada.

(3) To record issuance of 2,715,600 shares of Murphy Oil Company Ltd. common stock.

(4) The pro forma balance sheet should be read in conjunction with the balance sheets of Amurex Oil Company and of Murphy-Canada Oil Company, together with the related notes thereto.

Approved on behalf of the board

"PAUL C. McDONALD", Director

"C. H. MURPHY, JR.", Director



# AMUREX OIL COMPANY

## BALANCE SHEET

JULY 31, 1961

### ASSETS

#### CURRENT ASSETS:

Cash, including time deposits, \$302,323.....		\$ 493,703
Note receivable.....		136,000
Accounts receivable:		
Trade.....	\$ 317,145	
Affiliated company.....	11,482	
	<u>328,627</u>	
Inventories of materials and supplies—at the lower of average cost or market.....		31,860
Total current assets.....		<u>990,190</u>
Property, plant and equipment—at cost (Note 1).....	10,913,287	
LESS reserves for depreciation and depletion (Notes 1 and 2).....	<u>3,952,460</u>	
		<u>6,960,827</u>
Deferred charges and other assets.....		64,522
		<u>\$8,015,539</u>

### LIABILITIES

#### CURRENT LIABILITIES:

Accounts payable:		
Trade.....		\$ 196,724
Affiliated company.....		15,655
Accrued expenses.....		<u>13,140</u>
Total current liabilities.....		<u>225,519</u>

#### CAPITAL STOCK AND SURPLUS (Notes 5 and 6):

Class A common stock, par value \$1.00 a share.		
Authorized 3,000,000 shares; issued and outstanding 1,400,000 shares.....	\$ 7,000,000	
Class B common stock, par value \$0.10 a share.		
Authorized, issued and outstanding 250,000 shares .....	125,000	
Capital surplus.....	4,408,648	
Earned surplus (deficit) .....	<u>(3,743,628)</u>	<u>7,790,020</u>
Commitments and contingent liabilities (Note 10)		
		<u>\$8,015,539</u>

See accompanying notes to financial statements.

Approved on behalf of the board

"PAUL C. McDONALD", Director

"C. H. MURPHY, JR.", Director

### REPORT OF INDEPENDENT CERTIFIED PUBLIC ACCOUNTANTS

#### THE BOARD OF DIRECTORS

#### AMUREX OIL COMPANY:

We have examined the balance sheet of Amurex Oil Company as of July 31, 1961; the related statement of surplus for the three years ended August 31, 1960, the four months ended December 31, 1960, and the seven months ended July 31, 1961; and the statement of income for the five years ended August 31, 1960, the four months ended December 31, 1960, and the seven months ended July 31, 1961 included under the caption "Statement of Income of Amurex Oil Company". Our examination was made in accordance with generally accepted auditing standards, and accordingly included such tests of the accounting records and such other auditing procedures as we considered necessary in the circumstances.

In our opinion, such financial statements present fairly the financial position of Amurex Oil Company at July 31, 1961 and the results of its operations for the five years ended August 31, 1960, the four months ended December 31, 1960, and the seven months ended July 31, 1961, in conformity with generally accepted accounting principles applied on a consistent basis.

Shreveport, Louisiana  
September 8, 1961

PEAT, MARWICK, MITCHELL & CO.



# AMUREX OIL COMPANY

## STATEMENT OF SURPLUS

	YEAR ENDED AUGUST 31,			FOUR MONTHS ENDED DECEMBER 31, 1960	SEVEN MONTHS ENDED JULY 31, 1961
CAPITAL SURPLUS	1958	1959	1960		
Balance at beginning of period.....	\$ 4,390,895	4,390,895	4,408,648	4,408,648	4,408,648
Excess of amount ascribed to 11,450 shares of Class A common stock issued over their par value.....	—	17,753	—	—	—
Balance at end of period.....	<u>\$ 4,390,895</u>	<u>4,408,648</u>	<u>4,408,648</u>	<u>4,408,648</u>	<u>4,408,648</u>
EARNED SURPLUS (DEFICIT)					
Balance at beginning of period.....	\$(3,979,724)	(4,726,994)	(5,074,111)	(5,231,756)	(3,911,057)
Net income (loss) and special credit.....	(747,270)	(347,117)	(157,645)	1,320,699	167,429
Balance at end of period.....	<u>\$(4,726,994)</u>	<u>(5,074,111)</u>	<u>(5,231,756)</u>	<u>(3,911,057)</u>	<u>(3,743,628)</u>

See accompanying notes to financial statements.

# AMUREX OIL COMPANY

## NOTES TO FINANCIAL STATEMENTS

### (1) PROPERTY, PLANT AND EQUIPMENT:

A summary of property, plant and equipment and reserves for depreciation and depletion appears below:

CLASSIFICATION	COST	RESERVES
Producing oil and gas properties.....	\$ 9,160,718	3,764,598
Undeveloped oil and gas properties.....	1,417,748	—
Other properties and equipment.....	288,082	187,862
Work in progress.....	46,739	—
	<u>\$10,913,287</u>	<u>3,952,460</u>
Net book value.....	<u>\$6,960,827</u>	

### (2) DEPRECIATION AND DEPLETION POLICY:

Depreciation and depletion of producing oil and gas properties are calculated on the unit of production method based on reserves of oil and gas as estimated by the Company's engineers. Depreciation of other depreciable properties is provided on the straight-line method based on the estimated useful life of the properties. Annual straight-line rates are 10-50%.

Maintenance and repairs are charged to current operating expenses and renewals and betterments are capitalized.

On disposal or retirement of properties, the cost and depreciation accrued are eliminated from the related asset and reserve accounts and the balance, adjusted for salvage, is charged or credited to income.

### (3) TAXES ON INCOME:

It is the policy of the Company to capitalize intangible costs of drilling wells on productive leases. For income tax purposes, the charge for depletion is based on the provisions of the tax laws and the intangible costs are taken as a tax deduction in the year in which such costs are incurred. Since May 31, 1960 the operations of the Company have been included in the consolidated tax return of its parent company.

In accordance with the Canadian Income Tax Act and regulations relative thereto, no income tax is payable at July 31, 1961.

### (4) CONVERSION OF CANADIAN ACCOUNTS INTO UNITED STATES DOLLARS:

Canadian accounts of the Company were converted into United States dollar equivalents as follows:

1. Current assets and liabilities on a dollar for dollar basis.
2. Property, plant and equipment at the rate of exchange in effect at the end of the month of acquisition through August 31, 1959 and thereafter on a dollar for dollar basis.
3. Liabilities other than current liabilities at the rate of exchange in effect when the liabilities were incurred through August 31, 1959 and thereafter on a dollar for dollar basis.
4. Income and expenses for each month at the rate of exchange in effect at the end of the month through August 31, 1959 and thereafter on a dollar for dollar basis, but depreciation, depletion and amortization relative to assets acquired prior to September 1, 1959 and surrendered leases acquired prior to that date at rates of exchange in effect at the dates of acquisition.



(5) COMMON STOCK:

Each share of Class A common stock is entitled to ten times the amount of dividends paid, if any, on each share of Class B common stock. Similarly, in the event of liquidation each share of Class A common stock is entitled to receive ten times the amount received on each share of Class B common stock. Each share of common stock is entitled to one vote.

The Class B common stock is convertible into Class A common stock in the proportion of one share of Class B for two shares of Class A upon payment of \$29 per share of Class B converted. Such conversion privilege is available to the Class B shareholders until December 31, 1961, and for this purpose 500,000 shares of Class A common stock have been reserved.

By an amendment to the Certificate of Incorporation the par value of the Class A common stock was reduced from \$5.00 to \$1.00 a share, and the par value of the Class B common stock was reduced from \$0.50 to \$0.10 a share. No adjustment was made in the financial accounts of the Company due to these reductions in par value.

(6) STOCK OPTIONS:

Options, granted pursuant to a stock option plan, for the purchase of Class A common stock which were outstanding at July 31, 1961 were as follows:

DATE GRANTED	NUMBER OF SHARES	PRICES AT DATE OF GRANT PER SHARE		TOTAL		EXPIRATION DATE
		OPTION	FAIR VALUE	OPTION	FAIR VALUE	
January, 1961	23,800	\$2.02	2.12	48,076	50,575	January, 1966

The options become exercisable as to 33 $\frac{1}{3}$ % of the total shares one year after the date of grant and as to an additional 33 $\frac{1}{3}$ % each year thereafter.

Options which became exercisable during the period from August 31, 1957 to July 31, 1961 expired or were cancelled during the period.

No options have been exercised, and no amounts have been charged to income in connection with any of the options.

(7) AGREEMENT WITH RESPECT TO OPERATIONS:

The Company and Murphy-Canada Oil Company, a wholly owned subsidiary of Murphy Corporation, are parties to an agreement relating to their operations in Canada. Murphy Corporation owns 100% of the Company's Class B common stock and approximately 78% of the Company's Class A common stock.

The agreement, as amended, provides that all oil and gas rights acquired by each of the companies within certain areas of mutual interest in Canada shall be offered without profit to the other company. Each company is entitled to accept up to 50% interest in the right offered, but has the option of refusal should it so desire. The agreement further provides that an amount equal to 50% of certain general and administrative expenses incurred by the Company shall be charged to Murphy-Canada Oil Company.

(8) EMPLOYEES' RETIREMENT AND THRIFT PLAN:

A plan to provide thrift and retirement benefits to employees has been adopted by the Company. The plan provides for both company and employee contributions to the thrift portion of the plan and for the Company to make all contributions to the retirement portion. The Company expects to continue the plan indefinitely; however, it reserves the right to reduce, suspend, or discontinue its contributions at any time. If the plan is terminated, all funds held by the trustee of the plan can be used only for the exclusive benefit of the participants and retired employees.

The annual cost to the Company for the thrift portion of the plan is estimated to be \$4,000.

The past service cost of the retirement portion of the plan which has not been provided for in the accounts is estimated to be \$25,000 at July 31, 1961. This cost will be paid over a period of approximately ten years. The estimated annual cost, including amortization of past service cost, is \$10,000.

(9) SUPPLEMENTARY PROFIT AND LOSS INFORMATION:

The following amounts have been charged to costs and operating expenses:

	YEAR ENDED AUGUST 31,			FOUR MONTHS ENDED DECEMBER		SEVEN MONTHS ENDED
	1958	1959	1960	31, 1960		JULY 31, 1961
Maintenance and repairs.....	\$157,282	57,426	63,709	17,492		19,999
Depreciation, depletion and amortization.....	868,714	632,435	574,038	146,500		235,948
Taxes, other than taxes on income	41,570	23,138	29,343	1,611		7,785
Rents and royalties:						
Delay rentals.....	69,761	49,934	35,676	11,837		16,360
Other rentals.....	29,001	31,086	28,469	8,642		12,862
	\$ 98,762	81,020	64,145	20,479		29,222

No management and service contract fees were paid during the foregoing periods.

(10) COMMITMENTS AND CONTINGENT LIABILITIES:

At July 31, 1961 the only commitments and contingent liabilities were in the ordinary course of business, and these were not material in amount.



# MURPHY-CANADA OIL COMPANY

## BALANCE SHEET

JULY 31, 1961

### ASSETS

#### CURRENT ASSETS:

Cash, including time deposit, \$225,000.....		\$ 678,597
Accounts receivable:		
Trade (less allowance for doubtful accounts, \$27,448).....	\$ 245,826	
Affiliated company.....	15,655	261,481
	<u>          </u>	
Inventories (Note 1):		
Petroleum products.....	324,972	
Materials and supplies.....	34,009	
	<u>          </u>	358,981
Total current assets.....		1,299,059
Noncurrent receivable from affiliated company.....		101,575
Property, plant and equipment—at cost (Note 2).....	7,290,662	
Less reserves for depreciation and depletion (Notes 2 and 3).....	946,294	
	<u>          </u>	6,344,368
Deferred charges and other assets.....		120,616
		<u>          </u>
		\$7,865,618
		<u>          </u>

### LIABILITIES

#### Current Liabilities:

Accounts payable:		
Trade.....		\$ 300,768
Parent company.....		113,778
Affiliated companies.....		18,603
Accrued expenses.....		5,202
		<u>          </u>
Total current liabilities.....		438,351
Advances from parent company—noncurrent.....		3,960,160
Capital stock and surplus:		
Common stock, par value \$10 a share.		
Authorized, issued and outstanding 50,000 shares.....	\$ 500,000	
Capital surplus.....	2,515,166	
Earned Surplus.....	451,941	3,467,107
	<u>          </u>	
Commitments and contingent liabilities (Note 9)		
		<u>          </u>
		\$7,865,618
		<u>          </u>

See accompanying notes to financial statements.

Approved on behalf of the board

“PAUL C. McDONALD”, Director

“C. H. MURPHY, JR.”, Director

### REPORT OF INDEPENDENT CERTIFIED PUBLIC ACCOUNTANTS

THE BOARD OF DIRECTORS

MURPHY-CANADA OIL COMPANY:

We have examined the balance sheet of Murphy-Canada Oil Company as of July 31, 1961 and the related statements of income, included under the caption “Statement of Income of Murphy-Canada Oil Company”, and surplus for the three years ended May 31, 1960 and the seven-month periods ended December 31, 1960 and July 31, 1961. Our examination was made in accordance with generally accepted auditing standards, and accordingly included such tests of the accounting records and such other auditing procedures as we considered necessary in the circumstances.

In our opinion, such financial statements present fairly the financial position of Murphy-Canada Oil Company at July 31, 1961 and the results of its operations for the three years ended May 31, 1960 and the seven-month periods ended December 31, 1960 and July 31, 1961, in conformity with generally accepted accounting principles applied on a consistent basis.

Shreveport, Louisiana  
September 20, 1961

PEAT, MARWICK, MITCHELL & CO.



# MURPHY-CANADA OIL COMPANY

## STATEMENT OF SURPLUS

CAPITAL SURPLUS	YEAR ENDED MAY 31,			SEVEN MONTHS ENDED	
	1958	1959	1960	DECEMBER 31, 1960	JULY 31, 1961
Balance at beginning of period.....	\$ —	2,515,166	2,515,166	2,515,166	2,515,166
Excess of cost of properties acquired over par value of the 50,000 shares of common stock issued to parent company.....	2,515,166	—	—	—	—
Balance at end of period.....	<u>\$2,515,166</u>	<u>2,515,166</u>	<u>2,515,166</u>	<u>2,515,166</u>	<u>2,515,166</u>
EARNED SURPLUS					
Balance at beginning of period.....	\$ —	125,534	122,773	227,349	642,800
Net income (loss) and special credit.....	125,534	(2,761)	104,576	415,451	(190,859)
Balance at end of period.....	<u>\$ 125,534</u>	<u>122,773</u>	<u>227,349</u>	<u>642,800</u>	<u>451,941</u>

See accompanying notes to financial statements.

# MURPHY-CANADA OIL COMPANY

## NOTES TO FINANCIAL STATEMENTS

### (1) INVENTORIES:

Inventories of petroleum products used in computing the cost of sales were \$125,158, \$821,876 and \$324,972 at May 31, 1960, December 31, 1960, and July 31, 1961, respectively.

Prior to the year ended May 31, 1960 the Company had no inventories of petroleum products.

Inventories of petroleum products are stated at the lower of cost (applied on a first-in, first-out basis) or market. Materials and supplies are stated at average cost or less.

### (2) PROPERTY, PLANT AND EQUIPMENT:

Properties and equipment acquired from the parent company are stated at the parent company's cost. Properties and equipment acquired from others are stated at cost.

A summary of property, plant and equipment and reserves for depreciation and depletion appears below:

CLASSIFICATION	COST	RESERVES
Producing oil and gas properties.....	\$2,150,518	460,545
Undeveloped oil and gas properties.....	887,430	—
Marketing properties and equipment.....	4,237,750	484,313
Other properties and equipment.....	10,143	1,436
Work in progress.....	4,821	—
	<u>\$7,290,662</u>	<u>946,294</u>
Net book value.....		<u>\$6,344,368</u>

### (3) DEPRECIATION AND DEPLETION POLICY:

Depreciation and depletion of producing oil properties are calculated on the unit of production method based on reserves of oil as estimated by the Company's engineers. Depreciation and depletion of producing gas properties and depreciation of other depreciable properties are provided on the straight-line method based on the estimated useful life of the properties. Annual straight-line rates are 4—33⅓%.

Maintenance and repairs are charged to current operating expenses and renewals and betterments are capitalized.

On disposal or retirement of properties, the cost and depreciation accrued are eliminated from the related asset and reserve accounts and the balance, adjusted for salvage, is charged or credited to income.

### (4) TAXES ON INCOME:

It is the policy of the Company to capitalize intangible costs of drilling wells on productive leases. For income tax purposes, the charge for depletion is based on the provisions of the tax laws and the intangible costs are taken as a tax deduction in the year in which such costs are incurred. The operations of the Company since its incorporation have been included in the consolidated returns of its parent company.

In accordance with the Canadian Income Tax Act and regulations relative thereto, no income tax is payable at July 31, 1961.



(5) CONVERSION OF CANADIAN ACCOUNTS INTO UNITED STATES DOLLARS:

Canadian accounts of the Company were converted into United States dollar equivalents as follows:

- 1. Current assets and liabilities on a dollar for dollar basis.
- 2. Property, plant and equipment at the rate of exchange in effect at the date of acquisition through May 31, 1960 and thereafter on a dollar for dollar basis.
- 3. Liabilities other than current liabilities at the rate of exchange in effect when the liabilities were incurred through May 31, 1960 and thereafter on a dollar for dollar basis.
- 4. Income and expenses for each month at the rate of exchange in effect at the end of the month through May 31, 1960 and thereafter on a dollar for dollar basis, but depreciation, depletion and amortization relative to assets acquired prior to June 1, 1960 and surrendered leases acquired prior to that date at rates of exchange in effect at the dates of acquisition.

(6) AGREEMENT WITH RESPECT TO OPERATIONS:

The Company and Amurex Oil Company, a majority-owned subsidiary of Murphy Corporation, are parties to an agreement relating to their operations in Canada. Murphy Corporation owns 100% of the Company's stock.

The agreement, as amended, provides that all oil and gas rights acquired by each of the companies within certain areas of mutual interest in Canada shall be offered without profit to the other company. Each company is entitled to accept up to 50% interest in the right offered, but has the option of refusal should it so desire. The agreement further provides that an amount equal to 50% of certain general and administrative expenses incurred by Amurex Oil Company shall be charged to the Company.

(7) EMPLOYEES' RETIREMENT AND THRIFT PLAN:

A plan to provide thrift and retirement benefits to employees has been adopted by the Company. The plan provides for both company and employee contributions to the thrift portion of the plan and for the Company to make all contributions to the retirement portion. The Company expects to continue the plan indefinitely; however, it reserves the right to reduce, suspend, or discontinue its contributions at any time. If the plan is terminated, all funds held by the trustee of the plan can be used only for the exclusive benefit of the participants and retired employees.

The annual cost to the Company for the thrift portion of the plan is estimated to be \$1,200.

The past service cost of the retirement portion of the plan which has not been provided for in the accounts is estimated to be \$4,500 at July 31, 1961. This cost will be paid over a period of approximately ten years. The estimated annual cost, including amortization of past service cost, is \$3,000.

(8) SUPPLEMENTARY PROFIT AND LOSS INFORMATION:

The following amounts have been charged to costs and operating expenses:

	YEAR ENDED MAY 31,			SEVEN MONTHS ENDED	
	1958	1959	1960	DECEMBER 31, 1960	JULY 31, 1961
Maintenance and repairs.....	\$ 17,250	7,718	21,045	38,294	31,799
Depreciation, depletion and amortization.....	197,597	150,002	343,619	207,706	232,030
Taxes, other than taxes on income.....	1,983	4,215	27,987	18,413	18,497
Rents and royalties:					
Delay rentals.....	8,536	8,007	9,535	1,408	51
Other rentals.....	4,343	—	91	6,363	5,200
	\$ 12,879	8,007	9,626	7,771	5,251

No management and service contract fees were paid during the foregoing periods.

(9) COMMITMENTS AND CONTINGENT LIABILITIES:

At July 31, 1961 the only commitments and contingent liabilities were in the ordinary course of business, and these were not material in amount.



# ENGINEER'S REPORTS

## REPORT ON CERTAIN CRUDE OIL CONDENSATE AND NATURAL GAS RESERVES

owned by  
MURPHY CANADA OIL COMPANY  
in the  
PROVINCES OF ALBERTA AND SASKATCHEWAN, CANADA  
AS OF JULY 31, 1961

### FOREWORD

#### Scope of Investigation

This report is an appraisal as of July 31, 1961, of the extent and value of the proved crude oil, condensate, and natural gas reserves of Murphy Canada Oil Company, hereinafter referred to as the "Company", in the provinces of Alberta and Saskatchewan, Canada.

Reserves in this report are expressed as Company gross reserves and as Company net reserves. Company gross reserves are defined as the estimated future production which will accrue to the Company's operating interest. Company net reserves are those reserves net to the interest of the Company after deducting all royalties and interests owned by others.

Values in this report are expressed in terms of future gross and net revenue, present worth of future net revenue, and fair market value. Future gross revenue is defined as the gross revenue to the Company from the sale of the Company net reserves of crude oil, condensate, and natural gas. Continuance of the present prices for crude oil and condensate was assumed. The escalating natural gas prices as defined in the natural gas sales contract with Trans-Canada Pipe Lines Limited were assumed.

Future net revenue is defined as future gross revenue less estimated future development costs, the costs of providing gas gathering and processing facilities, and direct field and plant operating costs.

Present worth of future net revenue is defined as the future net revenue discounted at the arbitrary rate of six percent per year compounded monthly over the expected period of realization.

The estimate of fair market value of the Company's reserves expressed herein represents, in our opinion, the cash price which the Company's net reserves would bring on today's market.

All values expressed herein are in terms of Canadian currency.

### AUTHORITY

This report was authorized by Mr. F. M. Jacobson, Vice President of the Company.

### SOURCE OF INFORMATION

Data used in the preparation of this report were obtained from the Company, from records on file with the Oil and Gas Conservation Board of Alberta, and from our files.

We consulted freely with the officers and employees of the Company and were given access to all available accounts, records, geological and engineering reports, and data as were requested. In view of the data made available by the Company, it was not considered necessary to make a field examination of the physical condition and operation of the properties.

All factual data, including the character of ownership of the properties were accepted as represented.

### CLASSIFICATION OF RESERVES

For the purpose of this report, only the proved reserves owned by the Company have been estimated.

Proved reserves are defined as those proved to a high degree of probability for commercial production by well performance and by actual well tests in the cased hole or by definitive open-hole drill stem tests. These reserves are defined areally by a reasonable geological interpretation of structure and known continuity of oil or gas-saturated reservoir material above limiting water saturation. This category includes those proved reserves which can be produced from existing wells with normal operating methods and expenses. It also includes those proved reserves which cannot be recovered from presently completed wells, but which can be recovered by the drilling of additional wells.

Company gross reserves are defined as the estimated future production which will accrue to the Company's operating interest.

Company net reserves are those reserves net to the interest of the Company after deducting all royalties and interests owned by others. In computing the net oil and condensate reserves of the Company, the Company's average net interests in the gross reserves were obtained by applying the Crown sliding scale royalty deduction to all Crown leases. In addition, in the province of Saskatchewan the road allowance deduction was made.

In computing the net gas reserves of the Company, allowance was made for the reduction in Crown royalty equivalent to the wellhead price of gas after deducting the cost and expense of gathering and processing facilities. This method of computing Crown royalty on gas production is in effect in Alberta.



## ESTIMATION OF RESERVES

Crude oil reserves in this report were estimated by the use of production decline curves for those properties where sufficient history was available to indicate a true rate of decline. In using production decline curves, the limits of economic production were determined from current direct costs and reserves were estimated only to this limit. For properties in stages of flush production, or where rates have been curtailed below capacity by proration, or for those properties from which production rates have remained more or less constant, volumetric calculations were used in estimating reserves. In certain cases, the reserves obtained by application of the volumetric method were adjusted to compensate for well performance.

Gas reserves in this report were estimated by the volumetric method.

In using the volumetric method all pertinent well and reservoir data, including core analyses and descriptions, electrical logs, drill stem tests, flow tests, reservoir fluid analyses, bottom-hole pressure and temperature data, and well performance data were used. In most cases, structural and isopachous maps were used in determining the areal extent and volumes of the oil and gas productive reservoirs.

Estimates of condensate reserves were based on the volumetric estimates of natural gas reserves and analysis of the original reservoir gas. Recoveries were calculated considering retrograde condensation of liquifiable portions of the reservoir gas under pressure depletion conditions.

Natural gas reserves in this report represent salable gas to the pipeline after deducting shrinkage, plant and compressor fuel and field losses.

All gas reserves were calculated at a pressure base of 14.4 pounds per square inch absolute and at a temperature of 60 degrees Fahrenheit.

## PROJECTION OF FUTURE REVENUE

Estimates of the rates of future oil production net to the Company were made considering the effects of proration where applicable, but in all cases such rates were limited by the capability of the wells to produce. Future rates of natural gas production were based upon the volumes stipulated in gas sales contracts. Condensate production rates were based upon the volumes of natural gas to be produced.

Values in this report are based upon prices for crude oil and condensate in effect on August 1, 1961. For natural gas, the prices, including escalation, stipulated in the gas sales contracts were applied.

Future gross revenue to the Company was obtained by multiplying the estimated future net production by the appropriate sales prices of the products. Future net revenue was derived from future gross revenue by deducting estimated future capital expenditures and direct costs for operating the wells and the gathering and processing facilities, including the cost of drilling such additional wells as are required to develop the properties, the cost of extending gas gathering systems, and the cost of compressors.

Included with this report is a projection of estimated future net production, future gross revenue, operating costs and capital expenditures, future net revenue, and present worth of future net revenue, by years, for a period of 14 years 5 months and in total thereafter.

## SUMMARY AND CONCLUSION

The Company owns interests in certain crude oil, condensate, and natural gas reserves in the provinces of Alberta and Saskatchewan, Canada.

The net reserves of the Company are estimated to be 1,476,423 barrels of oil, 83,834 barrels of condensate, and 8,602 million cubic feet of natural gas.

The future net revenue to the Company from the sale of the net reserves is estimated to be \$3,681,400. The present worth of future net revenue is estimated to be \$2,216,981, which is obtained by discounting the future net revenue at the arbitrary rate of six percent per year compounded monthly.

Based upon these estimates of reserves and future revenue, and considering the prices paid for other properties in this area, it is our opinion that the fair market value of the Company's net reserves is \$1,450,000.

Included with this report are tabulations showing estimated reserves and future revenue by leases and a projection of the total future net production and revenue by years for a period of 14 years 5 months and in total.

Submitted,

"DEGOLYER AND MACNAUGHTON"

Signed: September 9, 1961



PROJECTION OF ESTIMATED PRODUCTION AND REVENUE

from

CERTAIN PROPERTIES

owned by

MURPHY CANADA OIL COMPANY

as of

JULY 31, 1961

NET PRODUCTION		FUTURE GROSS REVENUE	OPERATING COSTS AND AD VALOREM TAXES	CAPITAL EXPENDITURES	FUTURE NET REVENUE	CUMULATIVE	
YEAR	OIL (BARRELS)					PRESENT WORTH	FUTURE NET REVENUE
1961 (5 months)	50,465	\$ 128,349	\$ 27,900	\$ 5,100	\$ 95,349	\$ 94,168	\$ 95,349
1962	109,690	281,496	84,600	33,000	163,896	155,146	259,245
1963	110,017	314,916	66,400	9,000	239,516	213,558	498,761
1964	112,516	323,137	66,400	9,000	247,737	208,055	746,498
1965	113,943	329,579	66,400	9,000	254,179	201,064	1,000,677
1966	110,733	323,414	66,400	0	257,014	191,496	1,257,691
1967	104,080	309,345	66,400	0	242,945	170,497	1,500,636
1968	98,081	297,027	66,400	0	230,627	152,450	1,731,263
1969	92,880	286,091	66,400	0	219,691	136,784	1,950,954
1970	87,846	275,374	65,400	0	209,974	123,139	2,160,928
1971	83,254	265,857	64,400	10,000	191,457	105,757	2,352,385
1972	67,006	226,407	50,700	10,000	165,707	86,216	2,518,092
1973	58,104	206,613	51,000	10,000	145,613	71,360	2,663,705
1974	48,278	185,637	47,800	10,000	127,837	59,009	2,791,542
1975	42,111	171,309	48,100	10,000	113,209	49,221	2,904,751
Total 14 Years—5 months	1,289,004	\$3,924,551	\$ 904,700	\$ 115,100	\$ 2,904,751	\$ 2,017,920	\$ 3,681,400
Remaining	187,419	\$1,135,049	\$ 358,400	0	\$ 776,649	\$ 199,061	\$ 2,216,981
GRAND TOTAL	1,476,423	\$5,059,600	\$ 1,263,100	\$ 115,100	\$ 3,681,400	\$ 2,216,981	

\*The value but not the quantity of net condensate production in the amount of 83,834 barrels and net solution gas production in the amount of 660 MMcf is included in this projection.



DATA ON PROVED RESERVES AND REVENUE

of

CERTAIN PROPERTIES

owned by

MURPHY CANADA OIL COMPANY

AS OF JULY 31, 1961

TRACT	COMPANY GROSS RESERVES				COMPANY NET RESERVES				OPERATING COSTS AND AD VALOREM TAXES	CAPITAL COSTS	FUTURE NET REVENUE	
	NUMBER OF WELLS	COMPANY GROSS INTEREST	ROYALTY INTEREST*	OIL (BARRELS)	CONDENSATE (BARRELS)	NATURAL GAS (MMcf)	OIL (BARRELS)	CONDENSATE (BARRELS)				NATURAL GAS (MMcf)
PROVINCE OF ALBERTA												
Pembina Field												
Cynthia.....	640	4	0.15	Crown	67,140	67	61,768	60	\$ 155,399	\$ 48,800	\$ 0	\$ 106,599
Murphy.....	480	4	1.00	Crown	111,790	168	106,201	151	273,999	168,000	0	105,999
North Pembina Cardium Unit No. 1.....	(Unit)	(Unit)	0.0073198	Crown	1,050,421	417	940,123	375	2,298,649	539,000	39,700	1,719,949
Pembina Cardium Unit No. 13.....	(Unit)	(Unit)	0.105299	Crown	205,436	82	186,947	74	457,071	148,400	8,400	300,271
Total Pembina Field.....					1,434,787	734	1,295,039	660	\$3,185,118	\$ 904,200	\$ 48,100	\$2,232,818
Three Hills Creek Field												
Pekisko Unit No. 1.....	(Unit)	(Unit)	0.114457	Crown		88,246	8,825	83,834	7,942	\$ 274,300	\$ 50,000	\$1,221,877
TOTAL PROVINCE OF ALBERTA.....					1,434,787	88,246	9,559	1,295,039	83,834	\$1,178,500	\$ 98,100	\$3,454,695
PROVINCE OF SASKATCHEWAN												
Weyburn Field												
Murphy Corp. Sec. 11-6-13 W2.....	320	2	0.33333	Crown	119,792		108,317		\$ 196,054	\$ 44,200	\$ 17,000	\$ 134,854
Murphy Corp. Sec. 29-6-13 W2.....	320	4	0.33333	Crown	80,409		73,067		132,251	40,400	0	91,851
Total Weyburn Field.....					200,201		181,384		\$ 328,305	\$ 84,600	\$ 17,000	\$ 226,705
TOTAL PROVINCE OF SASKATCHEWAN					200,201		181,384		\$ 328,305	\$ 84,600	\$ 17,000	\$ 226,705
TOTAL CANADA.....					1,634,988	88,246	9,559	1,476,423	83,834	\$1,263,100	\$115,100	\$3,681,400

\* Crown royalty on oil and condensate has been calculated using Crown sliding scale plus road allowance in Saskatchewan—Crown royalty on gas assumed to be 10 percent to compensate for reduction in well-head prices (due to gathering, processing and compression costs) on which Crown royalty is paid.



**REPORT ON CERTAIN CRUDE OIL  
CONDENSATE AND NATURAL GAS LIQUIDS  
AND NATURAL GAS RESERVES**  
**owned by**  
**AMUREX OIL COMPANY**  
**in the**  
**PROVINCES OF ALBERTA, MANITOBA, AND SASKATCHEWAN, CANADA**  
**as of JULY 31, 1961**

**FOREWORD**

**Scope of Investigation**

This report is an appraisal as of July 31, 1961, of the extent and value of the proved crude oil, condensate and natural gas liquids, and natural gas reserves of Amurex Oil Company, hereinafter referred to as the "Company", in the provinces of Alberta, Manitoba, and Saskatchewan, Canada.

Reserves in this report are expressed as Company gross reserves and as Company net reserves. Company gross reserves are defined as the estimated future production which will accrue to the Company's operating interest. Company net reserves are those reserves net to the interest of the Company after deducting all royalties and interests owned by others.

Values in this report are expressed in terms of future gross and net revenue, present worth of future net revenue, and fair market value. Future gross revenue is defined as the gross revenue to the Company from the sale of the Company net reserves of crude oil, condensate and natural gas liquids, and natural gas. Continuance of the present prices for crude oil and condensate and natural gas liquids was assumed. The escalating natural gas prices as defined in the natural gas sales contracts with Trans-Canada Pipe Lines Limited were assumed.

Future net revenue is defined as future gross revenue less estimated future development costs, the costs of providing gas gathering and processing facilities, and direct field and plant operating costs.

Present worth of future net revenue is defined as the future net revenue discounted at the arbitrary rate of six percent per year compounded monthly over the expected period of realization.

The estimate of fair market value of the Company's reserves expressed herein represents, in our opinion, the cash price which the Company's net reserves would bring on today's market.

All values expressed herein are in terms of Canadian currency.

**AUTHORITY**

This report was authorized by Mr. F. M. Jacobson, President of the Company.

**SOURCE OF INFORMATION**

Data used in the preparation of this report were obtained from the Company, from records on file with the Oil and Gas Conservation Board of Alberta, and from our files.

We consulted freely with the officers and employees of the Company and were given access to all available accounts, records, geological and engineering reports, and data as were requested. In view of the data made available by the Company, it was not considered necessary to make a field examination of the physical condition and operation of the properties.

All factual data, including the character of ownership of the properties were accepted as represented.

**CLASSIFICATION OF RESERVES**

For the purpose of this report, only the proved reserves owned by the Company have been estimated.

Proved reserves are defined as those proved to a high degree of probability for commercial production by well performance and by actual well tests in the cased hole or by definitive open-hole drill stem tests. These reserves are defined areally by a reasonable geological interpretation of structure and known continuity of oil- or gas-saturated reservoir material above limiting water saturation. This category includes those proved reserves which can be produced from existing wells with normal operating methods and expenses. It also includes those proved reserves which cannot be recovered from presently completed wells, but which can be recovered by the drilling of additional wells.

Company gross reserves are defined as the estimated future production which will accrue to the Company's operating interest.

Company net reserves are those reserves net to the interest of the Company after deducting all royalties and interests owned by others. In computing the net oil and condensate reserves of the Company, the Company's average net interests in the gross reserves were obtained by applying the Crown sliding scale royalty deduction to all Crown leases. In addition, in the province of Saskatchewan the road allowance deduction was made.

In certain leases in Saskatchewan which are termed "net royalty leases", the Crown's equivalent share of the production after pay-out has been deducted.

In computing the net gas reserves of the Company, allowance was made for the reduction in Crown royalty equivalent to the wellhead price of gas after deducting the cost and expense of gathering and processing facilities. This method of computing Crown royalty on gas production is in effect in Alberta.



## ESTIMATION OF RESERVES

Crude oil reserves in this report were estimated by the use of production decline curves for those properties where sufficient history was available to indicate a true rate of decline. In using production decline curves, the limits of economic production were determined from current direct costs and reserves were estimated only to this limit. For properties in stages of flush production, or where rates have been curtailed below capacity by proration, or for those properties from which production rates have remained more or less constant, volumetric calculations were used in estimating reserves. In certain cases, the reserves obtained by application of the volumetric method were adjusted to compensate for well performance.

Gas reserves in this report were estimated by the volumetric method.

In using the volumetric method all pertinent well and reservoir data, including core analyses and descriptions, electrical logs, drill stem tests, flow tests, reservoir fluid analyses, bottom-hole pressure and temperature data, and well performance data were used. In most cases, structural and isopachous maps were used in determining the areal extent and volumes of the oil and gas productive reservoirs.

Estimates of condensate and natural gas liquids reserves were based on the volumetric estimates of natural gas reserves and analysis of the original reservoir gas. Recoveries were calculated considering retrograde condensation of liquifiable portions of the reservoir gas under pressure depletion conditions.

Natural gas reserves in this report represent salable gas to the pipeline after deducting shrinkage, plant and compressor fuel and field losses.

All gas reserves were calculated at a pressure base of 14.4 pounds per square inch absolute and at a temperature of 60 degrees Fahrenheit.

## PROJECTION OF FUTURE REVENUE

Estimates of the rates of future oil production net to the Company were made considering the effects of proration where applicable, but in all cases such rates were limited by the capability of the wells to produce. Future rates of natural gas production were based upon the volumes stipulated in gas sales contracts. Condensate and natural gas liquids production rates were based upon the volumes of natural gas to be produced.

Values in this report are based upon prices for crude oil and condensate and natural gas liquids in effect on August 1, 1961. For natural gas, the prices, including escalation, stipulated in the gas sales contracts were applied.

Future gross revenue to the Company was obtained by multiplying the estimated future net production by the appropriate sales prices of the products. Future net revenue was derived from future gross revenue by deducting estimated future capital expenditures and direct costs for operating the wells and the gathering and processing facilities, including the cost of drilling such additional wells as are required to develop the properties, the cost of extending gas gathering systems and of enlarging existing processing plants, and the cost of compressors.

Included with this report is a projection of estimated future net production, future gross revenue, operating costs, and capital expenditures, future net revenue, and present worth of future net revenue, by years, for a period of 14 years—5 months and in total thereafter.

## SUMMARY AND CONCLUSION

The Company owns interests in certain crude oil, condensate and natural gas liquids, and natural gas reserves in the provinces of Alberta, Manitoba, and Saskatchewan, Canada.

The net reserves of the Company as of July 31, 1961, are estimated to be 6,156,000 barrels of oil, 739,440 barrels of condensate and natural gas liquids, and 61,088 million cubic feet of natural gas.

The future net revenue to the Company from the sale of the net reserves is estimated to be \$21,219,341. The present worth of future net revenue is estimated to be \$11,261,446, which is obtained by discounting the future net revenue at the arbitrary rate of six percent per year compounded monthly.

Based upon these estimates of reserves and future revenue, and considering the prices paid for other properties in this area, it is our opinion that the fair market value of the Company's net reserves is \$7,000,000.

Included with this report are tabulations showing estimated reserves and future revenue by leases and a projection of the total future net production and revenue by years for a period of 14 years—5 months and in total.

Submitted,

"DEGOLYER AND MACNAUGHTON"

Signed: September 9, 1961



PROJECTION OF ESTIMATED PRODUCTION AND REVENUE

from

CERTAIN PROPERTIES

owned by

AMUREX OIL COMPANY

as of JULY 31, 1961

NET PRODUCTION										CUMULATIVE	
YEAR	OIL (BARRELS)	CONDENSATE AND NATURAL GAS LIQUIDS* (BARRELS)	NATURAL GAS * (MMcf)	FUTURE GROSS REVENUE	OPERATING COSTS AND AD VALOREM TAXES	CAPITAL EXPENDITURES	FUTURE NET REVENUE	PRESENT WORTH	FUTURE NET REVENUE	PRESENT WORTH	
1961 (5 months)	218,390	6,163	492	\$ 543,961	\$ 91,842	\$ 274,000	\$ 178,119	\$ 175,912	\$ 178,119	\$ 175,912	
1962	477,571	27,429	1,525	1,311,005	228,652	111,000	971,353	919,497	1,149,472	1,095,409	
1963	450,016	29,444	2,261	1,382,602	225,934	73,000	1,083,668	966,222	2,233,140	2,061,631	
1964	424,530	28,219	2,282	1,347,630	220,090	48,000	1,079,540	906,623	3,312,680	2,968,254	
1965	404,612	26,996	2,306	1,320,954	215,098	31,000	1,074,856	850,248	4,387,536	3,818,502	
1966	371,487	26,105	2,306	1,257,570	210,277	0	1,047,293	780,316	5,434,829	4,598,818	
1967	342,357	24,648	2,306	1,201,128	206,855	0	994,273	697,775	6,429,102	5,296,593	
1968	319,210	23,447	2,306	1,154,762	198,941	0	955,821	631,820	7,384,923	5,928,413	
1969	297,139	23,120	2,306	1,113,828	195,057	1,000	917,771	571,424	8,302,694	6,499,837	
1970	267,248	22,556	2,306	1,059,374	173,490	18,000	867,884	508,971	9,170,578	7,008,808	
1971	244,949	21,663	2,306	1,019,619	162,533	49,300	807,786	446,206	9,978,364	7,455,014	
1972	223,856	21,335	2,306	979,353	150,800	11,000	817,553	425,365	10,795,917	7,880,379	
1973	211,823	20,770	2,306	958,128	150,729	11,000	796,399	390,286	11,592,316	8,270,665	
1974	197,512	19,879	2,306	930,733	143,217	32,500	755,016	348,511	12,347,332	8,619,176	
1975	189,671	19,549	2,306	917,780	145,107	30,000	742,673	322,898	13,090,005	8,942,074	
<hr/>											
Total 14 Years—											
5 Months	4,640,371	341,323	31,926	\$16,498,427	\$2,718,622	\$ 689,800	\$13,090,005	\$8,942,074			
Remaining	1,515,629	231,853	27,775	\$ 9,867,638	\$1,713,302	\$ 25,000	\$ 8,129,336	\$2,319,372	\$21,219,341	\$11,261,446	
GRAND TOTAL	6,156,000	573,176	59,701	\$26,366,065	\$4,431,924	\$ 714,800	\$21,219,341	\$11,261,446			

\* The value but not the quantity of net condensate and natural gas liquids production in the amount of 166,264 barrels and net solution gas production in the amount of 1,387 MMcf is included in this summary projection.



DATA ON PROVED RESERVES AND REVENUE  
of  
CERTAIN PROPERTIES  
owned by  
AMUREX OIL COMPANY  
as of JULY 31, 1961

TRACT	COMPANY GROSS RESERVES				COMPANY NET RESERVES										
	GROSS ACRES	NUMBER OF WELLS	COMPANY GROSS INTEREST	ROYALTY INTEREST (1)	CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)			OIL (BARRELS)	NATURAL GAS LIQUIDS (BARRELS)	NATURAL GAS (MMcf)	FUTURE GROSS REVENUE	OPERATING COSTS AND AD VALOREM TAXES	CAPITAL COSTS	FUTURE NET REVENUE	
PROVINCE OF ALBERTA															
Bonnie Glen Field	480	11	0.02 (2)	0	324,070	8,240	705	324,070	8,240	705	\$ 973,563	\$ 0	\$ 0	\$ 973,563	
California Standard.....	80	2	0.01 (2)	0	8,469	5	5	8,469		5	22,189	0	0	22,189	
Texaco McColl Reynolds....															
Total Bonnie Glen Field.....					332,539	8,240	710	332,539	8,240	710	\$ 995,752	\$ 0	\$ 0	\$ 995,752	
Carstairs Field	(Unit)	(Unit)	0.02089	Crown (3)	354,462	14,769	12,554	354,462	354,462	12,554	\$3,095,784	\$ 470,500	\$102,000	\$ 2,523,284	
Carstairs Unit.....	676	1	0.3284	Crown (3)	218,714	9,116	7,749	218,714	218,714	7,749	1,920,403	303,000	89,000	1,528,403	
Outside Carstairs Unit.....															
Total Carstairs Field					573,176	23,885	20,303	573,176	573,176	20,303	\$5,016,187	\$ 773,500	\$191,000	\$ 4,051,687	
Cessford Field															
CRUDE OIL LEASES															
Berry Creek.....	80	1	0.85	Crown + .025 ORR	28,305			26,174			\$ 35,204	\$ 14,100	\$ 0	\$ 21,104	
Chris-Kading-Nestor....	280	7	0.425	Crown + .025 ORR	72,505			66,363			93,240	54,900	0	38,340	
Gurnett-Verlin-Crown..	160	4	0.425	Crown	24,948			22,834			32,082	23,500	0	8,582	
Sunnynook .....	120	2	0.425	Crown	34,564			32,783			41,634	15,740	0	25,894	
NATURAL GAS LEASES															
Amurex-Murphy-															
Ashland.....	992		0.85	Crown		4,837	4,353				675,601	105,900	10,000	559,701	
Amurex-Old Smoky.....	89		0.5667	Crown		121	109				17,031	2,650	300	14,081	
Canadian Oil Companies-															
Sunnynook .....	3,200	2	0.425	Crown		15,669	14,121				2,466,003	478,300	88,000	1,899,703	
Trans Empire.....	1,518	1	0.425	Crown		3,382	3,048				481,011	98,900	8,000	374,111	
Total Cessford Field.....					160,322	24,009	21,631	148,154		21,631	\$3,841,806	\$ 793,990	\$106,300	\$ 2,941,516	
Erskine Field															
Amurex-Can. Sup. Bergman..	640	1	0.425	0.124632		408	357			357	\$ 28,542	\$ 8,200	\$ 0	\$ 20,342	
Homeglen-Rimbey Field															
Amurex Rimbey .....	160	1	0.85	Crown	28,061	114,750	5,169	26,658	109,130	5,169	\$1,221,700	\$ 164,500	\$ 2,500	\$ 1,054,700	



DATA ON PROVED RESERVES AND REVENUE (continued)

TRACT	COMPANY GROSS RESERVES				COMPANY NET RESERVES							
	CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)				CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)							
	NUMBER OF WELLS	COMPANY GROSS INTEREST	ROYALTY INTEREST (1)	OIL (BARRELS)	NATURAL GAS LIQUIDS (MMcf)	OIL (BARRELS)	NATURAL GAS LIQUIDS (BARRELS)	NATURAL GAS (MMcf)	FUTURE GROSS REVENUE	OPERATING COSTS AND AD VALOREM TAXES	CAPITAL COSTS	FUTURE NET REVENUE
PROVINCE OF ALBERTA (Cont'd)												
Leduc-Woodbend Field												
Amurex Explorers Nos. 1, 3 and 4.....	120	3 0.25	0.125	22,425	45	19,622		39	\$ 51,213	\$ 19,600	\$ 0	\$ 31,613
Amurex Explorers No. 2 .....	40	1 0.35	0.125	8,428	17	7,375		14	19,249	11,760	0	7,489
Amurex Explorers No. 6.....	40	1 0.25	0.125 + .05 ORR	1,291	7	1,065		5	3,110	2,400	0	710
Leduc D <sub>2</sub> Unit .....	(Unit)	(Unit) 0.009683	0.165	419,845	630	350,492		526	949,833	261,700	0	688,133
Total Leduc-Woodbend Field.....				451,989	699	378,554		584	\$ 1,023,405	\$ 295,460	\$ 0	\$ 727,945
Medin Field												
H.B.-Amurex-Richfield Sec. 32	80	2 0.2125	Crown	41,629	729	37,767			\$ 65,337	\$ 22,600	\$ 0	\$ 42,737
H.B.-Amurex-Richfield Sec. 4	320	1 0.2125	Crown					657	98,482	22,400	6,000	70,082
Total Medin Field.....				41,629	729	37,767		657	\$ 163,819	\$ 45,000	\$ 6,000	\$ 112,819
Pembina Field												
Cynthia.....	640	4 0.70	Crown	313,318	314	288,252		283	\$ 725,197	\$ 226,400	\$ 0	\$ 498,797
North Pembina Cardium Unit No. 1.....	(Unit)	(Unit) 0.0039523	Crown	567,171	225	507,617		203	1,241,151	291,500	22,000	927,651
Pembina Cardium Unit No. 13.....	(Unit)	(Unit) 0.150428	Crown	293,482	117	267,067		105	652,957	212,000	12,000	428,957
Total Pembina Field.....				1,173,971	656	1,062,936		591	\$ 2,619,305	\$ 729,900	\$ 34,000	\$ 1,855,405
Rainy Hills Field												
Amurex Denhart Nos. 4 and 6	1,280	2 0.425	Crown		3,462			3,116	\$ 525,469	\$ 66,800	\$ 32,000	\$ 426,669
Amurex Denhart No. 1.....	640	1 0.31875	Crown		3,696			3,327	560,646	23,700	29,000	507,946
Total Rainy Hills Field.....					7,158			6,443	\$ 1,086,115	\$ 90,500	\$ 61,000	\$ 934,615
Red Coulee Field												
Amurex-Rio Palmer.....	200	5 0.50	Crown	18,895		17,950			\$ 39,131	\$ 21,125	\$ 0	\$ 18,006
Swan Hills Field												
Amurex.....	640	3 1.0	Crown	3,386,221		2,888,546			\$ 7,074,690	\$ 594,650	\$ 175,000	\$ 6,305,040
Three Hills Creek Field					51,591			4,643	\$ 903,914	\$ 161,600	\$ 30,000	\$ 712,314
Pekisko Unit No. 1.....	(Unit)	(Unit) 0.066914	Crown		5,159			61,088	\$ 24,014,366	\$ 3,678,425	\$ 605,800	\$ 19,730,141
TOTAL PROVINCE OF ALBERTA				5,593,627	747,757	4,893,104	739,440					



## DATA ON PROVED RESERVES AND REVENUE (continued)

COMPANY GROSS RESERVES										COMPANY NET RESERVES									
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
ROYALTY INTEREST (1)					COMPANY GROSS INTEREST					NUMBER OF WELLS					TRACT				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)					CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)				
CONDENSATE AND NATURAL GAS LIQUIDS (BARRELS)					OIL (BARRELS)														



## FOOTNOTES

- (1) Average royalty interest. For oil average royalty interest has been calculated using Crown sliding scale and road allowance where applicable. For gas average royalty interest on Crown leases has been assumed to be 10 percent unless otherwise noted; this reduction in Crown royalty has been made in order to compensate for reduction in wellhead gas prices (due to gathering, processing, and compression costs) on which Crown royalty is paid.
  - (2) Amurex has royalty interest only.
  - (3) Crown royalty on gas assumed to be 15 percent and no royalty has been charged against condensate production. In our opinion royalty charge against condensate production will be less than reduction in royalty on gas. Actual royalties charged are subject to negotiation.
  - (4) Average interest over life. Amurex interest in unit is 0.0027793 until Amurex future gross revenue is \$38,598 then decreases to 0.0005086.
  - (5) Crown net royalty lease. Amurex has 0.85 working interest until payout then 0.15045 interest. Crown royalty is sliding scale (0.125 minimum) plus road allowance until payout then sliding scale plus road allowance. Estimated balance to payout is \$253,840 as of August 1, 1961. Lease will not pay out.
  - (6) Crown net royalty lease. Amurex has a one-third working interest until payout then a one-sixth working interest. Crown royalty is sliding scale (0.125 minimum) plus road allowance until payout and sliding scale plus road allowance thereafter. Estimated balance to payout is \$73,637 as of August 1, 1961.
- 

December 23, 1961

## CERTIFICATE OF QUALIFICATION

I, Glen E. Woodward, do hereby certify that:

I am a practicing consulting petroleum engineer and geologist, and I am a senior vice-president of DeGolyer and MacNaughton at 5625 Daniels Avenue, Dallas, Texas.

I graduated from the California Institute of Technology in 1934, and was granted the degree of Bachelor of Science.

I am a professional engineer registered in the states of California and Texas. I am a member of the Society of Petroleum Engineers.

I have no interest, direct or indirect, in the properties or securities of Amurex Oil Company, Murphy-Canada Oil Company or Murphy Oil Company Ltd., nor do I expect to receive any such interest whatsoever.

The reports of DeGolyer and MacNaughton to Murphy-Canada Oil Company and Amurex Oil Company, both dated September 15, 1961, covering the crude oil, condensate and natural gas reserves of those two companies were prepared by the staff of DeGolyer and MacNaughton working directly under my supervision and such reports are based on our examination of such data as we deemed necessary for the purposes of making the report.

"GLEN E. WOODWARD"